

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:50 ; Search time 140.11 Seconds
(without alignments)
6.024 Million cell updates/sec

Title: US-09-331-631a-8_COPY_33_79

Perfect score: 275
Sequence: 1 GDDDPKRYEDCRRRCWMT.....QCEESCKSQYGEKDDQQRHR 47

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	124	45.1	566	1	US-07-955-905A-22
3	124	45.1	566	1	US-07-955-905A-22
4	62	22.5	360	2	US-08-531-927B-2
5	60	21.8	303	1	US-08-109-391A-2
6	60	21.8	303	1	US-08-459-019A-2
7	60	21.8	303	1	US-08-460-428A-2
8	60	21.8	303	3	US-08-458-860A-2
9	59	21.5	748	2	US-08-920-234-2
10	59	21.5	748	2	US-08-937-931-4
11	58	21.1	361	1	US-08-415-751-4
12	57.5	20.9	162	2	US-08-465-380-63
13	57.5	20.9	162	2	US-08-486-397-63
14	57.5	20.9	162	2	US-08-486-399-63
15	57.5	20.9	162	2	US-08-461-965-63
16	57.5	20.9	162	2	US-08-634-641-63
17	57.5	20.9	162	3	US-09-249-471-63
18	57.5	20.9	162	3	US-09-249-472-63
19	57.5	20.9	162	3	US-09-249-472-63
20	57.5	20.9	162	3	US-08-809-455-63
21	57.5	20.9	162	3	US-09-249-461-63
22	57.5	20.9	162	3	US-09-249-448-63
23	57.5	20.9	162	3	US-08-833-963C-2
24	57.5	20.9	162	3	US-08-980-514-1
25	57	20.7	1898	1	US-08-056-200-94
26	57	20.7	1898	2	US-08-800-644-94
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29	55.5	20.2	434	1	US-08-337-602-2	Sequence 2, Appl
30	55.5	20.2	434	1	US-08-337-602-3	Sequence 3, Appl
31	55.5	20.2	434	3	US-08-558-135-2	Sequence 2, Appl
32	55.5	20.2	434	3	US-08-558-135-3	Sequence 3, Appl
33	55.5	20.2	2237	1	US-08-455-543A-48	Sequence 48, Appl
34	55.5	20.2	2237	2	US-08-223-305C-48	Sequence 2, Appl
35	55.5	20.2	2337	3	US-08-713-118-2	Sequence 2, Appl
36	55.5	20.2	2337	3	US-09-452-007-2	Sequence 2, Appl
37	55.5	20.2	2339	1	US-08-455-543A-47	Sequence 47, Appl
38	55.5	20.2	2339	2	US-08-223-305C-47	Sequence 47, Appl
39	55	20.0	160	2	US-08-612-788-34	Sequence 34, Appl
40	55	20.0	160	3	US-09-066-028-34	Sequence 34, Appl
41	55	20.0	210	3	US-08-985-526-21	Sequence 21, Appl
42	55	20.0	250	2	US-08-612-788-29	Sequence 29, Appl
43	55	20.0	250	3	US-09-066-028-29	Sequence 29, Appl
44	55	20.0	339	1	US-08-248-629A-2	Sequence 2, Appl
45	55	20.0	339	1	US-08-451-932-2	Sequence 2, Appl

ALIGNMENTS

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RESULT 1
US-07-955-905A-23
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 587 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..587
; OTHER INFORMATION: /note="Vicillin from G. hirsutum"
US-07-955-905A-23

Query Match          94.4% Score 259.5; DB 1: Length 587;
Best Local Similarity 97.9%; Pred No. 5.1e-22;
Matches 46; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Oy 1 GDDDPKRYEDCRRRCWMTRGQKEQQQCEESCKSQYGEKDDQQRHR 47
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Db 33 GDDDPKRYEDCRRRCWMTRGQKEQQQCEESCKSQYGEKDDQQRHR 78

RESULT 2
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
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1      COMPUTER READABLE FORM:
2      MEDIUM TYPE: Floppy disk
3      COMPUTER: IBM PC compatible
4      OPERATING SYSTEM: PC-DOS/MS-DOS
5      SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
6      CURRENT APPLICATION DATA:
7      APPLICATION NUMBER: US/07/955,905A
8      FILING DATE: 21-JAN-1993
9      CLASSIFICATION: 435
1     INFORMATION FOR SEQ ID NO: 2:
11    SEQUENCE CHARACTERISTICS:
12        LENGTH: 566 amino acids
13        TYPE: amino acid
14        TOPOLOGY: linear
15    MOLECULE TYPE: protein
16    US-07-955-905A-2
17
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19    Best Local Similarity 45.1%; Score 124; DB 1; Length 566;
20    Matches 19; Conservative 12; Mismatches 10; Indels 0; Gaps 0
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23          ||::|||::|||:::..::|||::|:::|:::|:
24    Db 37 DPRQYEQCRRCSEATEERREQECQRCEHYEKQRQQ 77
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26    RESULT 3
27    US-07-955-905A-22
28    ; Sequence 22, Application US/07955905A
29    ; Patent No. 5770433
30    ; GENERAL INFORMATION:
31    APPLICANT:
32    TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
33    TITLE OF INVENTION: PRECURSOR
34    NUMBER OF SEQUENCES: 28
35    COMPUTER READABLE FORM:
36    MEDIUM TYPE: Floppy disk
37    COMPUTER: IBM PC compatible
38    OPERATING SYSTEM: PC-DOS/MS-DOS
39    SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
40    CURRENT APPLICATION DATA:
41    APPLICATION NUMBER: US/07/955,905A
42    FILING DATE: 21-JAN-1993
43    CLASSIFICATION: 435
44    INFORMATION FOR SEQ ID NO: 22:
45    SEQUENCE CHARACTERISTICS:
46        LENGTH: 566 amino acids
47        TYPE: amino acid
48        TOPOLOGY: linear
49    MOLECULE TYPE: protein
50    ORIGINAL SOURCE:
51    ORGANISM: Theobroma cacao
52    FEATURE:
53    NAME/KEY: Protein
54    LOCATION: 1..566
55    OTHER INFORMATION: /note= "67 kd Precursor Protein"
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66    RESULT 4
67    US-08-531-927B-2
68    ; Sequence 2, Application US/08531927B
69    ; Patent No. 5840491

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GENERAL INFORMATION:
APPLICANT: KAKIZUKA, AKIRA
TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
Patent No. 5840491
TITLE OF INVENTION: Disease Gene and Uses Thereof
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millita Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,927B
FILING DATE: 21-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP H6-251600
FILING DATE: 21-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: ATU95-01A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-531-927B-2

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Best Local Similarity 35.0%; Pred. No. 5.8;
Matches 14; Conservative 12; Mismatches 12; Indels 2

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Db      279 ELRKRREAVFEKQQKKQQQQQQQQQQQQQQQQQQQQ 318

RESULT           5
US-08-109-391A-2
; Sequence 2, Application US/08109391A
; Patent No. 5639876
GENERAL INFORMATION:
APPLICANT: TRIPP, Cynthia A.
APPLICANT: Frank, Glenn R.
APPLICANT: Grieve, Robert B.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING NOVEL
TITLE OF INVENTION: PARASITIC HELMINTH PROTEINS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheridan Ross & McIntosh
STREET: 1700 Lincoln St., Suite 3500
CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/109,391A
FILING DATE: 19-AUG-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-13
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/863-9700
TELEFAX: 303/863-0223
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-109-391A-2

Query Match 21.8%; Score 60; DB 1; Length 303;
Best Local Similarity 37.5%; Pred. No. 8.2;
Matches 15; Conservative 12; Mismatches 11; Indels 2; Gaps 2;

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Db 262 RQEEERERQOEERR-QKERERMQERIRQYDEKERNQROY 300

RESULT 6
US-08-459-019A-2
Sequence 2, Application US/08459019A
Patent No. 5686080
GENERAL INFORMATION:
APPLICANT: Tripp, Cynthia A.
APPLICANT: Frank, Glenn R.
APPLICANT: Grievé, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH P4 PROTEINS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSER: Sheridan Ross & McIntosh
STREET: 1700 Lincoln Street, #3500
CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,019A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 33,020
REFERENCE/DOCKET NUMBER: 2618-13-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700
TELEFAX: (303) 863-0223
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-459-019A-2

Query Match 21.8%; Score 60; DB 1; Length 303;
Best Local Similarity 37.5%; Pred. No. 8.2;

Matches 15; Conservative 12; Mismatches 11; Indels 2; Gaps 2;
QY 8 RYEDCRRRCCEMDTRGQKEQOQCE-ESCKSQYGEKDDQQRH 46
Db 262 RQEEERERQOEERR-QKERERMQERIRQYDEKERNQROY 300

RESULT 7
US-08-460-428A-2
Sequence 2, Application US/08460428A
Patent No. 5912337
GENERAL INFORMATION:
APPLICANT: Tripp, Cynthia A.
APPLICANT: Frank, Glenn R.
APPLICANT: Grievé, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSER: Sheridan Ross P.C.
STREET: 1700 Lincoln St., Suite 3500
CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,428A
FILING DATE: 02-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-13-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/863-9700
TELEFAX: 303/863-0223
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-460-428A-2

Query Match 21.8%; Score 60; DB 2; Length 303;
Best Local Similarity 37.5%; Pred. No. 8.2;
Matches 15; Conservative 12; Mismatches 11; Indels 2; Gaps 2;

QY 8 RYEDCRRRCCEMDTRGQKEQOQCE-ESCKSQYGEKDDQQRH 46
Db 262 RQEEERERQOEERR-QKERERMQERIRQYDEKERNQROY 300

RESULT 8
US-08-458-860A-2
Sequence 2, Application US/08458860A
Patent No. 6100390
GENERAL INFORMATION:
APPLICANT: Tripp, Cynthia A.
APPLICANT: Frank, Glenn R.
APPLICANT: Grievé, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSER: Sheridan Ross P.C.
STREET: 1700 Lincoln St., Suite 3500

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-461-965-63

Query Match 20.9%; Score 57.5; DB 2; Length 162;
Best Local Similarity 21.0%; Pred. No. 8.5;
Matches 17; Conservative 8; Mismatches 17; Indels 39; Gaps 3;
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Db 36 EDESKCRSRECSRYCYCDGCFYRNKKGCYTRDDCEYDNMEITPPEDKCGPEWFDW 95
QY 26 ---QOQCESCKSOYGEKDOO 43
Db 96 CGTYKQCEKCKNKLSEKDEE 116

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Job time: 395 sec

